

Title (en)
CUTTER HEAD AND SUCTION DREDGER

Title (de)
SCHNEIDKOPF UND SAUGBAGGER

Title (fr)
TETE DE COUPE ET DRAGUE A ASPIRATION

Publication
EP 1989359 B1 20111012 (EN)

Application
EP 07715899 A 20070228

Priority
• NL 2007050081 W 20070228
• NL 1031253 A 20060228

Abstract (en)
[origin: US7739812B2] A cutter head for a cutter suction dredger to be mounted rotatably about a cutter head center axis with respect to a suction device for sucking up material cut loose by the cutter head from the bottom of a body of water, which cutter head includes a base ring, a boss spaced from the base ring in the direction of the center axis, and a plurality of arms which extend from the base ring to the boss and are distributed at regular intervals in the peripheral direction, each arm has a series of teeth located on the radially outermost parts of the arm and directed outwards at an angle with respect to the peripheral direction, the direction of rotation of the cutter head being set such that the teeth perform a cutting movement, with non-return mechanisms, preventing movement of cut material from the center axis to the exterior.

IPC 8 full level
E02F 3/92 (2006.01)

CPC (source: EP US)
E02F 3/9212 (2013.01 - EP US)

Cited by
CN113668637A; US11814813B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007100250 A1 20070907; AT E528447 T1 20111015; AU 2007221520 A1 20070907; BR PI0708348 A2 201110524; BR PI0708348 B1 20171031; CN 101410574 A 20090415; CN 101410574 B 201110309; DK 1989359 T3 20120123; EP 1989359 A1 20081112; EP 1989359 B1 20111012; ES 2374842 T3 20120222; NL 1031253 C2 20070829; RU 2008138588 A 20100410; RU 2416697 C2 20110420; US 2009133295 A1 20090528; US 7739812 B2 20100622

DOCDB simple family (application)
NL 2007050081 W 20070228; AT 07715899 T 20070228; AU 2007221520 A 20070228; BR PI0708348 A 20070228; CN 200780010435 A 20070228; DK 07715899 T 20070228; EP 07715899 A 20070228; ES 07715899 T 20070228; NL 1031253 A 20060228; RU 2008138588 A 20070228; US 28090207 A 20070228